### Constellation Program Flight Test Methodology and Strategy



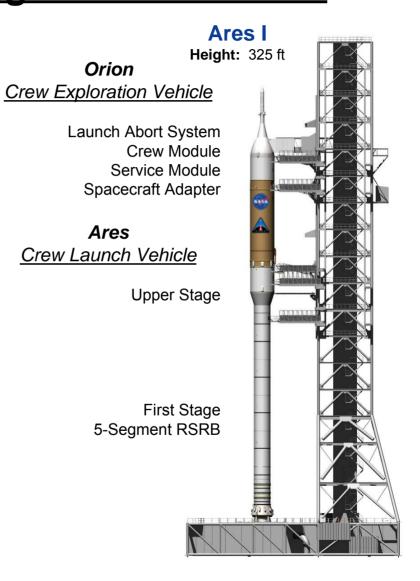
National Aeronautics and Space Administration
Johnson Space Center
CONSTELLATION



### Constellation Program & Flight Testing



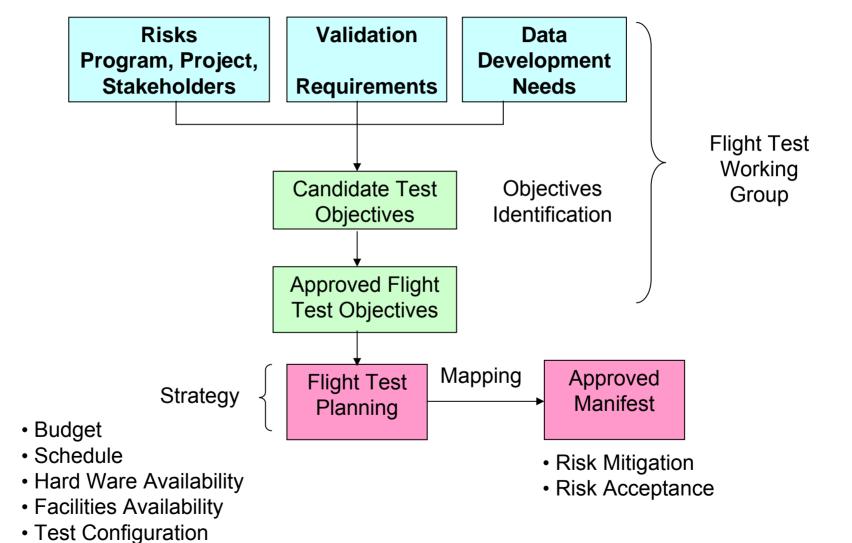
- Main projects elements
  - Orion & Ares
  - New & Modified heritage hardware
  - Shuttle retirement in 2010
- Methodology
  - Flight test objectives
  - Risk reduction
- Strategy
  - Mapping Flight Test Objectives
  - Build incremental capability





#### Methodology / Strategy

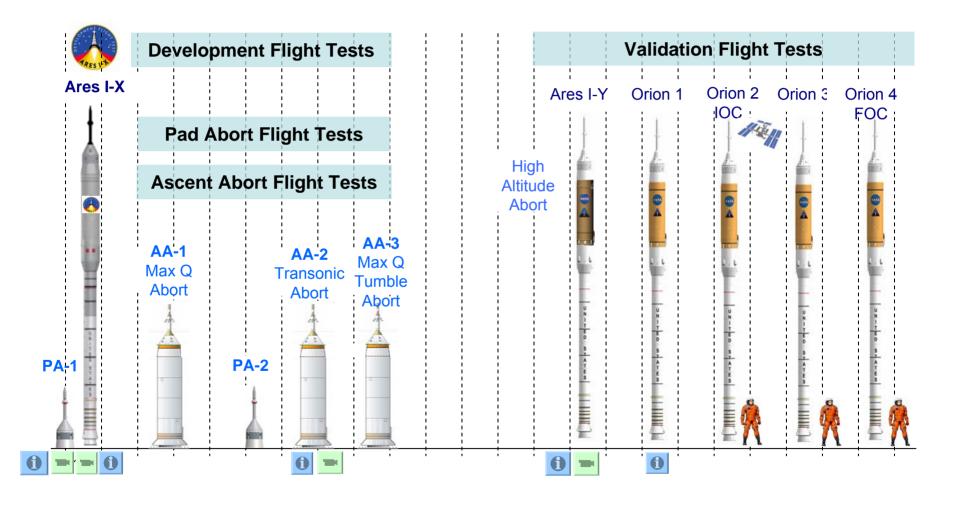






## Constellation's Integrated Flight Test Strategy Manifest

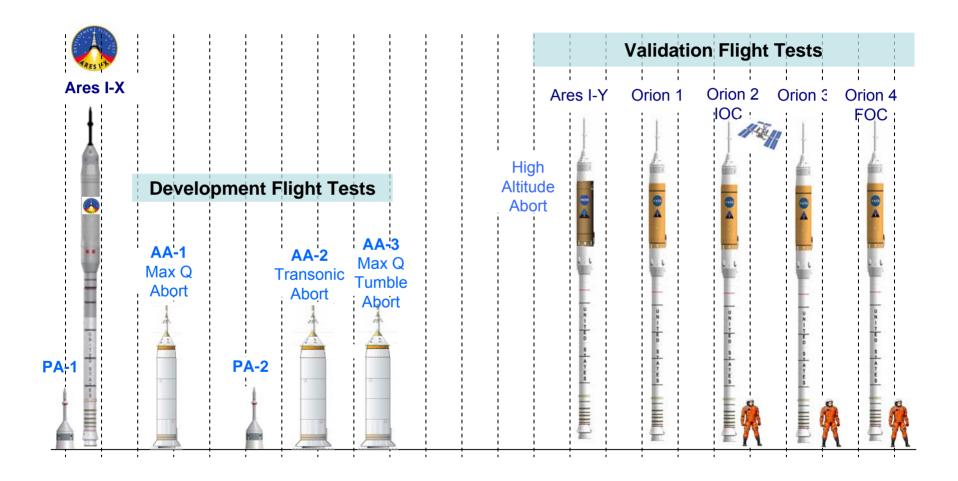




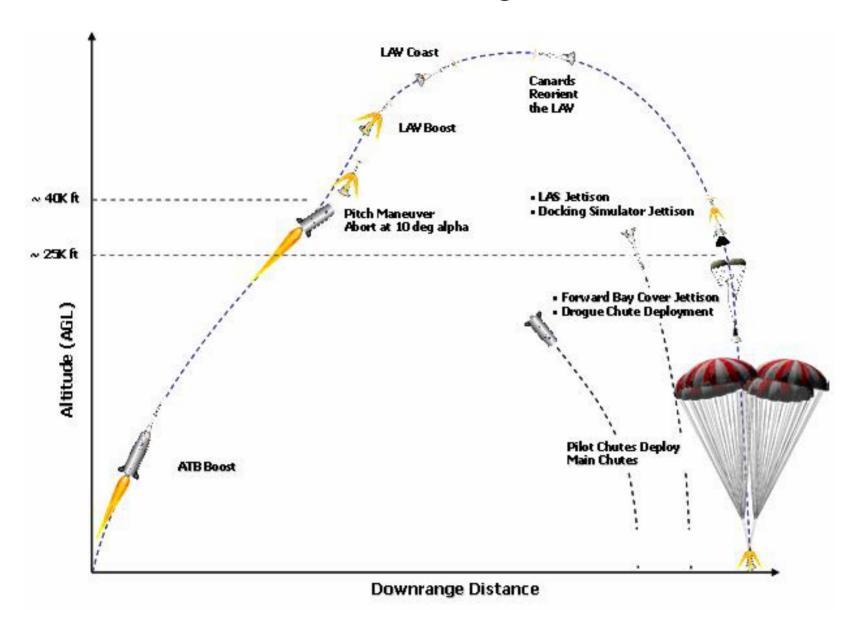


# Constellation's Integrated Flight Test Strategy Manifest

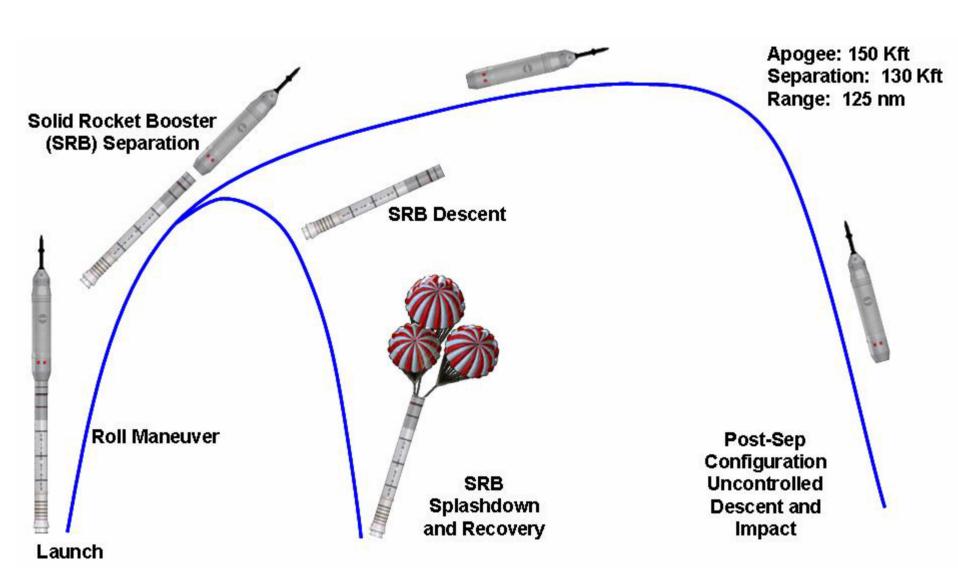




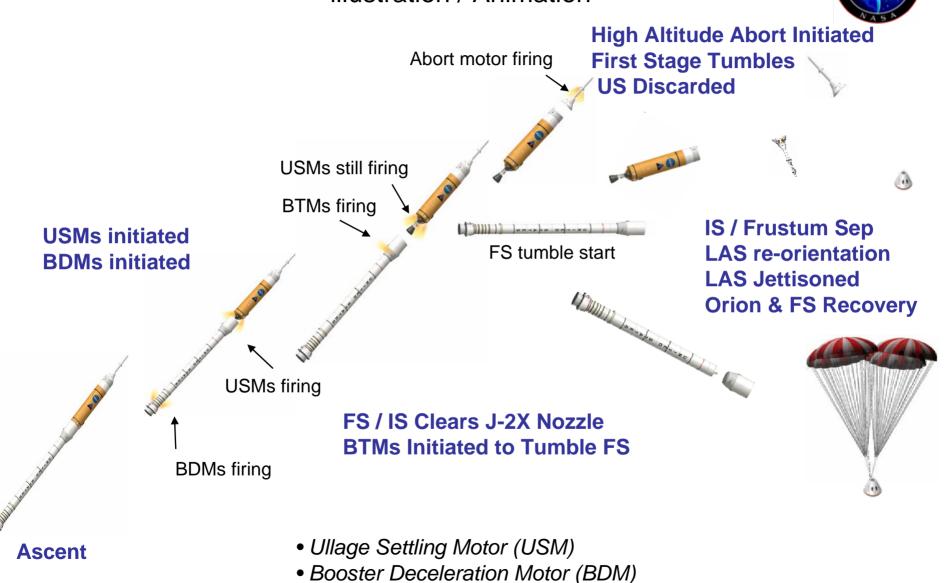
### Ascent Abort Flight Test



#### Ares I-X Flight Test



### Ares 1-Y High Altitude Abort Validation Flight Test illustration / Animation



Booster Tumble Motor (BTM)